## CAB7236



## **Product Information**

Product SKU:	CAB7236	Gene ID:	7350	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Human, Mouse, Rat

## **Additional Information**

Observed MW:	30kDa	Conjugate:	Unconjugated
Calculated MW:	33kDa	lsotype:	lgG

## **Immunogen Information**

Background:	Mitochondrial uncoupling proteins (UCP) are members of the family of mitochondrial anion carrier
	proteins (MACP). UCPs separate oxidative phosphorylation from ATP synthesis with energy dissipated
	as heat, also referred to as the mitochondrial proton leak. UCPs facilitate the transfer of anions from the
	inner to the outer mitochondrial membrane and the return transfer of protons from the outer to the
	inner mitochondrial membrane. They also reduce the mitochondrial membrane potential in mammalian
	cells. Tissue specificity occurs for the different UCPs and the exact methods of how UCPs transfer
	$\rm H+/OH\text{-}$ are not known. UCPs contain the three homologous protein domains of MACPs. This gene is
	expressed only in brown adipose tissue, a specialized tissue which functions to produce heat.
Recommended Dilution:	WB,1:1000 - 1:5000 IHC-P,1:50 - 1:200
Synonyms:	UCP; SLC25A7; UCP1
Purifcation Method:	Affinity purification
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human UCP1
	(NP_068605.1).
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.